

2005 Summary

Massachusetts Arbovirus Surveillance--Humans

Six human cases of West Nile virus (WNV) were identified in 2005. The cases were reported from Newton (2), Watertown, Boston, Fall River and Cambridge. The average age of the cases was 58 years, with a range from 32 -80 years. Onsets ranged from 9/1/05-9/27/05. Four of the cases required hospitalization and there was one fatality. This was the first human fatality from WNV in Massachusetts since 2003.

Four human cases of eastern equine encephalitis (EEE) were identified in 2005. All of the cases were identified in Plymouth County from the towns of Duxbury, Halifax, Kingston and Plymouth. The average age of the cases was 38 years with a range of 3 months-85 years. Onsets ranged from 8/21/05-8/27/05. All of the cases required hospitalization and there were two fatalities.

City or Town	Age Range	Onset Date	Virus Result	Clinical Presentation
Boston	25-44	9/1/2005	WNV	Meningitis
Cambridge	45-64	9/27/2005	WNV	West Nile fever
Duxbury	45-64	8/27/2005	EEE	Meningoencephalitis
Fall River	over64	9/11/2005	WNV	Encephalitis
Halifax	under18	8/26/2005	EEE	Meningoencephalitis
Kingston	over64	8/21/2005	EEE	Meningoencephalitis
Newton	over64	9/9/2005	WNV	Meningoencephalitis
Newton	45-64	9/4/2005	WNV	Meningoencephalitis
Plymouth	under18	8/25/2005	EEE	Meningoencephalitis
Watertown	45-64	9/12/2005	WNV	West Nile fever